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Avishai Wool

May 2000 ACM Transactions on Information and System Security (TISSEC), Volume 3 Issue 2

Publisher: ACM

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We consider broadcast applications where the transmissions need to be encrypted, such as direct broadcast digital TV networks or Internet multicast. In these applications the number of encrypted TV programs may be very large, but the secure memory capacity ...

Keywords: conditional access, pay-per-view

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Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi

April 2003 Mobile Networks and Applications, Volume 8 Issue 2

Publisher: Kluwer Academic Publishers

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Security is paramount to the success of pervasive computing environments. The system presented in this paper provides a communications and security infrastructure that goes far in advancing the goal of anywhere-anytime computing. Our work securely enables ...

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Bart Kirkels, Martijn Maas, Peter Roelse

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October 2007 DRM '07: Proceedings of the 2007 ACM workshop on Digital Rights Management

Publisher: ACM

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This paper presents a security architecture for a pay-TV conditional access system, assuming the most challenging scenario from a designer's point of view; a pay-per-view business model in a broadcast-only environment. The starting point for the security ...

**Keywords:** conditional access system, cryptography, pay-TV, queueing theory, security architecture

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